Computer Vision and Image Analysis and Interpretation

Workplan Presentation

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| **2:00 pm** | **Raymund Lagua Christopher Hicks** | **Mark: 4** |
| **Fruit ID** |
| **Comments**  Very good introduction.  17/20 correct segmentation in colour does not seem very good. Procedural method ok. What could you do to make it more robust ? Size: calibrate the geometry and use pixel count rather than a ratio.  Use one colour space if possible. Texture estimation might help. Using HSV (or similar) is a good idea but you only need to use the 2 chrominance values and not the luminance. This will make it more robust to illumination variation. Quick clear response to questions. | | |

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| **2:20 pm** | **Guanshen Yan** | **Mark 3** |
| **Playing Cards** | |
| **Comments**  A largely clear presentation. Could have been more detailed and could have been abetter detail of understanding. Need to use colour for speed – but do not need to use all colour channels every time. Time to access all colour channels is not necessarily a problem. Do not need to rotate the card. Convex hull is good. Must understand method. Also make sure you understand the need for a scale and rotation invariant feature. It will be much easier to count the suit ‘blobs’ rather than character recognition. Need to deal with overlapping.  Allow time for evaluation.  A little slow responding to questions and answers not clear. You did get to the right place in the end. | | |

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| **2:40 pm** | **Joel Cox** | **Mark 2** |
| **Playing Cards** | |
| **Comments**  Clear presentation. Should have been more detailed and could have expressed a better understanding.  Need to have an automatic threshold selection. You need to quickly formulate a method. Initially get to work on the playing card segmentation. This will get you started.  Collecting test data.  Quick response to questions.  Want to look at a hexagonal tesallation. Need a detailed plan and to think about classification. | | |